

G. DOAPER

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/246,129A

DATE: 01/18/2000
TIME: 11:34:19

Input Set: I246129A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

WFO
1-17-8

1 <110> APPLICANT: Yu, Guo-Liang
2 Ni, Jian
3 Rosen, Craig A.
4 <120> TITLE OF INVENTION: Tumor Necrosis Factor Gamma
5 <130> FILE REFERENCE: PF141P4
6 <140> CURRENT APPLICATION NUMBER: US/09/246,129A
7 <141> CURRENT FILING DATE: 1999-02-08
8 <150> EARLIER APPLICATION NUMBER: 60/074,047
9 <151> EARLIER FILING DATE: 1998-02-09
10 <150> EARLIER APPLICATION NUMBER: 09/131,237
11 <151> EARLIER FILING DATE: 1998-08-07
12 <150> EARLIER APPLICATION NUMBER: 09/005,020
13 <151> EARLIER FILING DATE: 1998-01-09
14 <150> EARLIER APPLICATION NUMBER: 08/461,246
15 <151> EARLIER FILING DATE: 1995-06-05
16 <150> EARLIER APPLICATION NUMBER: PCT/US94/12880
17 <151> EARLIER FILING DATE: 1994-11-07
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19 <170> SOFTWARE: PatentIn Ver. 2.0
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36 <223> OTHER INFORMATION: n equals a, t, g, or c
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44 <223> OTHER INFORMATION: n equals a, t, g, or c

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60      gacagtgcag aaggatatgt tagaaccac tgaaaaccta gaagggtgaa aaggaagcat 180
61      accctcctga cctataagaa aattttcagt ctgcaggggg atatccttgt ggcccaagac 240
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63      gaccagggag atgccaagtt tctatcactt acctcatgcc tgtaagacaa gtgttttgtt 360
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71      at atg aga cgc ttt tta agc aaa gtc tac agt ttc cca atg aga aaa 827
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73      -25 -20 -15
74      tta atc ctc ttt ctt gtc ttt cca gtt gtg aga caa act ccc aca cag 875
75      Leu Ile Leu Phe Leu Val Phe Pro Val Val Arg Gln Thr Pro Thr Gln
76      -10 -5 -1 1
77      cac ttt aaa aat cag ttc cca gct ctg cac tgg gaa cat gaa cta ggc 923
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79      5 10 15 20
80      ctg gcc ttc acc aag aac cga atg aac tat acc aac aaa ttc ctg ctg 971
81      Leu Ala Phe Thr Lys Asn Arg Met Asn Tyr Thr Asn Lys Phe Leu Leu
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88      55 60 65
89      aag cca gac tcc atc act gtg gtc atc acc aag gta aca gac agc tac 1115
90      Lys Pro Asp Ser Ile Thr Val Val Ile Thr Lys Val Thr Asp Ser Tyr
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97              105                      110                      115
98      caa gaa ggg gac aag cta atg gtg aac gtc agt gac atc tct ttg gtg      1259
99      Gln Glu Gly Asp Lys Leu Met Val Asn Val Ser Asp Ile Ser Leu Val
100              120                      125                      130
101      gat tac aca aaa gaa gat aaa acc ttc ttt gga gcc ttc tta cta      1304
102      Asp Tyr Thr Lys Glu Asp Lys Thr Phe Phe Gly Ala Phe Leu Leu
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107      atgagagtac taactggaaa aaggctgaag agagcaaata tattattaag atgggttgga 1544
108      ggattggcga gtttctaaat attaagacac tgatcactaa atgaatggat gatctactcg 1604
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110      ccagttattg ttcaatttga tcataaattt gcttcaattc aggagctttg aaggaagtcc 1724
111      aaggaaagct ctagaaaaca gtataaactt tcagaggcaa aatccttcac caatttttcc 1784
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113      tcacacagaa ggagttgggt ttcattgtcat ctacagcata tgagaaaagc tacctttctt 1904
114      ttgattatgt acacagatat ctataaagg aagtttgagt ttcacatgta tatcccaaat 1964
115      acaacagttg cttgtattca gtagagtttt cttgccacc tattttgtgc tgggttctac 2024
116      cttaaccag aagacactat gaaaaacaag acagactcca ctcaaaattt atatgaacac 2084
117      cactagatac ttctgatca aacatcagtc aacatactct aaagaataac tccaagtctt 2144
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131              -10                      -5                      -1 1                      5
132      Phe Lys Asn Gln Phe Pro Ala Leu His Trp Glu His Glu Leu Gly Leu
133              10                      15                      20
134      Ala Phe Thr Lys Asn Arg Met Asn Tyr Thr Asn Lys Phe Leu Leu Ile
135              25                      30                      35
136      Pro Glu Ser Gly Asp Tyr Phe Ile Tyr Ser Gln Val Thr Phe Arg Gly
137              40                      45                      50
138      Met Thr Ser Glu Cys Ser Glu Ile Arg Gln Ala Gly Arg Pro Asn Lys
139              55                      60                      65
140      Pro Asp Ser Ile Thr Val Val Ile Thr Lys Val Thr Asp Ser Tyr Pro
141              70                      75                      80                      85
142      Glu Pro Thr Gln Leu Leu Met Gly Thr Lys Ser Val Cys Glu Val Gly
143              90                      95                      100
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159      Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe
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161      Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Phe Pro
162          50          55          60
163      Arg Asp Leu Ser Leu Ile Ser Pro Leu Ala Gln Ala Val Arg Ser Ser
164          65          70          75          80
165      Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro
166          85          90          95
167      Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu
168          100          105          110
169      Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser
170          115          120          125
171      Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly
172          130          135          140
173      Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala
174          145          150          155          160
175      Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro
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177      Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu
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179      Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu
180          195          200          205
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193          20          25          30
194      Gln Gly Leu Pro Gly Val Gly Leu Thr Pro Ser Ala Ala Gln Thr Ala

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198 Ala His Leu Ile Gly Asp Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg
199          65          70          75          80
200 Ala Asn Thr Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn
201          85          90          95
202 Asn Ser Leu Leu Val Pro Thr Ser Gly Ile Tyr Phe Val Tyr Ser Gln
203          100          105          110
204 Val Val Phe Ser Gly Lys Ala Tyr Ser Pro Lys Ala Thr Ser Ser Pro
205          115          120          125
206 Leu Tyr Leu Ala His Glu Val Gln Leu Phe Ser Ser Gln Tyr Pro Phe
207          130          135          140
208 His Val Pro Leu Leu Ser Ser Gln Lys Met Val Tyr Pro Gly Leu Gln
209          145          150          155          160
210 Glu Pro Trp Leu His Ser Met Tyr His Gly Ala Ala Phe Gln Leu Thr
211          165          170          175
212 Gln Gly Asp Gln Leu Ser Thr His Thr Asp Gly Ile Pro His Leu Val
213          180          185          190
214 Leu Ser Pro Ser Thr Val Phe Phe Gly Ala Phe Ala Leu
215          195          200          205
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224          20          25          30
225 Leu Leu Ala Val Pro Ile Thr Val Leu Ala Val Leu Ala Leu Val Pro
226          35          40          45
227 Gln Asp Gln Gly Gly Leu Val Thr Glu Thr Ala Asp Pro Gly Ala Gln
228          50          55          60
229 Ala Gln Gln Gly Leu Gly Phe Gln Lys Leu Pro Glu Glu Glu Pro Glu
230          65          70          75          80
231 Thr Asp Leu Ser Pro Gly Leu Pro Ala Ala His Leu Ile Gly Ala Pro
232          85          90          95
233 Leu Lys Gly Gln Gly Leu Gly Trp Glu Thr Thr Lys Glu Gln Ala Phe
234          100          105          110
235 Leu Thr Ser Gly Thr Gln Phe Ser Asp Ala Glu Gly Leu Ala Leu Pro
236          115          120          125
237 Gln Asp Gly Leu Tyr Tyr Leu Tyr Cys Leu Val Gly Tyr Arg Gly Arg
238          130          135          140
239 Ala Pro Pro Gly Gly Gly Asp Pro Gln Gly Arg Ser Val Thr Leu Arg
240          145          150          155          160
241 Ser Ser Leu Tyr Arg Ala Gly Gly Ala Tyr Gly Pro Gly Thr Pro Glu
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Input Set: I246129A.RAW

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980	W "N" or "Xaa" used: Feature required	cccaaaattt cacacttcat gtgccttact gatgagag
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